

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/052221A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G06K19/077 H05K1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G06K H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 197 21 057 A1 (GIESECKE & DEVRIENT GMBH, 81677 MUENCHEN, DE) 26 November 1998 (1998-11-26) cited in the application paragraphs '005A!, '005B! column 1, line 3 – line 16 column 2, lines 19-45 column 5, line 37 – column 6, line 1	1-7
X	US 2002/047776 A1 (HART CORNELIS MARIA ET AL) 25 April 2002 (2002-04-25) the whole document	4-7
A		1-3
X	EP 1 291 818 A1 (DATAMARS SA) 12 March 2003 (2003-03-12) abstract; figures 1,2	1-7

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the international search

1 February 2005

Date of mailing of the International search report

15/02/2005

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Palukova, M

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/IB2004/052221

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
DE 19721057	A1 26-11-1998	NONE		
US 2002047776	A1 25-04-2002	WO 0217223 A1		28-02-2002
		EP 1314134 A1		28-05-2003
		JP 2004507188 T		04-03-2004
EP 1291818	A1 12-03-2003	NONE		